

IN THE CLAIMS:

Please amend the claims to read as follows.

MH
MH
C MH

1. A roll for dewatering a web in a paper or board machine comprising axle journals supported by which the roll is arranged to revolve, end flanges to which the axle journals are connected, a mantle having an outer surface^{- , and countersink,} the mantle being connected to the end flanges and a number of openings extending through the mantle or recesses formed into the outer surface of the mantle, which openings or recesses form a regular pattern, and solid connecting portions in the outer surface of the mantle around said openings, which are preferably holes, or around said recesses, which are preferably blind-drilled bores, are opened so that, from each opening or recess or from their countersink, there is a connection, provided in the form of a groove or an additional recess extending into the outer surface of the roll mantle, with at least each of the openings or recesses or their countersinks adjacent to it.

MH
MK

2. A roll as claimed in claim 1, wherein a double grooving is formed into the outer surface of the roll mantle such that^a the first grooving connects a row of holes or blind-drilled bores or their countersinks in a first direction and^a the second grooving connects a row of holes or blind drilled bores or their countersinks in a second direction which crosses the first direction, whereby separate support points supporting a wire running on the roll mantle and situated between the holes or blind-drilled bores or their countersinks are formed into the outer surface of the roll mantle.

3. A roll as claimed in claim 1, wherein a double grooving is formed into the outer surface of the roll mantle such that the first grooving is made in a first direction between a row formed of holes or blind-drilled bores or their countersinks and the second grooving is made in a second direction between a row formed of holes or blind-drilled bores or their countersinks, which second direction crosses the first direction the holes or blind-drilled bores or countersinks having an edge, whereby separate support points supporting a wire running on the roll mantle and situated at the edges of the holes or blind-drilled bores or their countersinks are formed into the outer surface of the roll mantle.

4. A roll as claimed in claim 1, wherein circular grooves are formed into the outer surface of the roll mantle around the holes or blind drilled bores or their countersinks said circular grooves having a center radius of their circumference.

5. A roll as claimed in claim 4, wherein the centers of the circular grooves coincide with the centers of the holes or blind-drilled bores and the center radii of the circumference of the grooves are equal to the distance between the centers of the holes or blind-drilled bores so that the grooves form channels that connect the holes or the blind-drilled bores.

6. A roll as claimed in claim 1, wherein additional blind-drilled bores are made into the outer surface of the roll mantle between the holes or blind-drilled bores or their countersinks such that the additional blind-drilled bores have a connection to each of the holes or blind-drilled bores or their countersinks closest to it.

7. A roll for dewatering a web in a paper or board machine comprising:

a roll mantle having an outer surface;

a plurality of bores extending through said roll mantle, each of said bores being spaced from an adjacent one of said bores to define a space there between; and

a plurality of recesses formed in the outer surface of said roll mantle for connecting each bore with at least another one bore adjacent to said bore to thereby permit a flow to travel between said bores.

8
9. The roll according to claim 7, wherein said plurality of recesses comprises a first groove for interconnecting a first group of selected bores of said plurality of bores and a second groove for interconnecting a second group of selected bores of said plurality of bores.

10
11. The roll according to claim 8, further comprising a plurality of support points for supporting a wire, said support points being arranged between adjacent ones of said plurality of bores.

12
14. The roll according to claim 7, wherein said recesses for connecting each bore with at least another one bore adjacent to said bore comprises a plurality of circular grooves arranged in said outer surface, each one of said circular grooves being arranged to encircle a respective one of said plurality of bores and wherein a circular groove encircling one bore is arranged to extend over each adjacent bore.

Please add new independent claim 15 as follows.

13

15. A roll for dewatering a web in a paper or board machine comprising axle journals

supported by which the roll is arranged to revolve, end flanges to which the axle journals are

connected, a mantle having an outer surface, ^{-and countersink-} the mantle being connected to the end flanges and a

number of openings extending through the mantle and recesses formed into the outer surface of

the mantle, which openings and recesses form a regular pattern, and solid connecting portions in

the outer surface of the mantle around said openings, which are preferably holes, and around said

recesses, which are preferably blind-drilled bores, are opened so that, from each opening and

recess or from their countersink, there is a connection, provided in the form of a groove or an

additional recess extending into the outer surface of the roll mantle, with at least each of the

openings and recesses or their countersinks adjacent to it.